

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	Aztec Water Intake	Farmington Water Intake	ADW-010		
			Sample ID	Aztec Water Intake	Farmington Water Intake	ADW-010-150809-11		
			Date	8/6/2015	8/6/2015	8/9/2015		
			Sample Time	17:50	18:30	8:20		
			Latitude	36.83845	37.3	36.83746		
			Longitude	-107.99242	-107.86820	-107.99168		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	41 J	44 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.07 U	< 0.07 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.5	0.6		
Barium, Dissolved	7440-39-3	ug/L	33000	--	75	69.8		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.02 U	< 0.02 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	0.03 J	0.02 J		
Calcium, Dissolved	7440-70-2	ug/L		--	59100	62000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	3.6	3.5		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.1	0.2		
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.4	1.4		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 3 U	< 3 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.06 J	0.05 J		
Magnesium, Dissolved	7439-95-4	ug/L		--	9160	9580		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	29	36		
Mercury, Dissolved	7439-97-6	ug/L		--	0.07 J	0.03 J		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	2.2	2.1		
Potassium, Dissolved	7440-09-7	ug/L		--	2330	2540		
Selenium, Dissolved	7782-49-2	ug/L		--	0.6 J	0.7 J		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.03 U	< 0.03 U		
Sodium, Dissolved	7440-23-5	ug/L		--	16000	19800		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	0.1	0.1		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	1.2	1.4		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	26 J	27 J		

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Metals, Total					Metals, Total				
Aluminum, Total	7429-90-5	ug/L		--	Aluminum, Total	7429-90-5	ug/L		--
Antimony, Total	7440-36-0	ug/L		--	Antimony, Total	7440-36-0	ug/L		--
Arsenic, Total	7440-38-2	ug/L		--	Arsenic, Total	7440-38-2	ug/L		--
Barium, Total	7440-39-3	ug/L		--	Barium, Total	7440-39-3	ug/L		--
Beryllium, Total	7440-41-7	ug/L		--	Beryllium, Total	7440-41-7	ug/L		--
Cadmium, Total	7440-43-9	ug/L		--	Cadmium, Total	7440-43-9	ug/L		--
Calcium, Total	7440-70-2	ug/L		--	Calcium, Total	7440-70-2	ug/L		--
Chromium, Total	7440-47-3	ug/L		--	Chromium, Total	7440-47-3	ug/L		--
Cobalt, Total	7440-48-4	ug/L		--	Cobalt, Total	7440-48-4	ug/L		--
Copper, Total	7440-50-8	ug/L		--	Copper, Total	7440-50-8	ug/L		--
Iron, Total	7439-89-6	ug/L		--	Iron, Total	7439-89-6	ug/L		--
Lead, Total	7439-92-1	ug/L		--	Lead, Total	7439-92-1	ug/L		--
Magnesium, Total	7439-95-4	ug/L		--	Magnesium, Total	7439-95-4	ug/L		--
Manganese, Total	7439-96-5	ug/L		--	Manganese, Total	7439-96-5	ug/L		--
Mercury, Total	7439-97-6	ug/L		--	Mercury, Total	7439-97-6	ug/L		--
Molybdenum, Total	7439-98-7	ug/L		--	Molybdenum, Total	7439-98-7	ug/L		--
Nickel, Total	7440-02-0	ug/L		--	Nickel, Total	7440-02-0	ug/L		--
Potassium, Total	7440-09-7	ug/L		--	Potassium, Total	7440-09-7	ug/L		--
Selenium, Total	7782-49-2	ug/L		--	Selenium, Total	7782-49-2	ug/L		--
Silver, Total	7440-22-4	ug/L		--	Silver, Total	7440-22-4	ug/L		--
Sodium, Total	7440-23-5	ug/L		--	Sodium, Total	7440-23-5	ug/L		--
Thallium, Total	7440-28-0	ug/L		--	Thallium, Total	7440-28-0	ug/L		--
Vanadium, Total	7440-62-2	ug/L		--	Vanadium, Total	7440-62-2	ug/L		--
Zinc, Total	7440-66-6	ug/L		--	Zinc, Total	7440-66-6	ug/L		--
General					General				
Alkalinity	STL00171	mg/L		--	Alkalinity	STL00171	mg/L		--
Chloride	16887-00-6	mg/L		--	Chloride	16887-00-6	mg/L		--
Fluoride	16984-48-8	mg/L		--	Fluoride	16984-48-8	mg/L		--
Nitrate as N	14797-55-8	mg/L		--	Nitrate as N	14797-55-8	mg/L		--
pH	STL00204	SU		--	pH	STL00204	SU		--
Sulfate	14808-79-8	mg/L		--	Sulfate	14808-79-8	mg/L		--

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Total Dissolved Solids	STL00242	mg/L		--	Total Dissolved Solids	STL00242	mg/L		--
Total Hardness	STL00009	mg/L		--	Total Hardness	STL00009	mg/L		--
Total Suspended Solids	STL00161	mg/L		--	Total Suspended Solids	STL00161	mg/L		--

Bold - Bolded results identify a detected value.

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Highlighted values are detections that exceed the minimum of the listed screening values.

* - exceeds MCI

I - Data Estimated qualifier (also applied to all data less than POI, greater than POI) Data Estimated qualifier (also applied to all data less than POI, greater than or equal to POI)

MRD - Method Data

MDL - Method Detection Limit MDL - Method Detection Limit
 PQL - Practical Quantitation Limit PQL - Practical Quantitation Limit

PQL - Practical Quantitation Lim

U - Analyte not detected at or above MDL qualifier

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

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mg/L - Parts per million (ppm)

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ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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3. *What is the relationship between the two main characters?*

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Analyte	CAS.NO	Units	Location	Aztec Water Intake	Farmington Water Intake	ADW-010		
			Sample ID	Aztec Water Intake	Farmington Water Intake	ADW-010-150809-11		
			Date	8/6/2015	8/6/2015	8/9/2015		
			Sample Time	17:50	18:30	8:20		
			Latitude	36.83845	37.3	36.83746		
			Longitude	-107.99242	-107.86820	-107.99168		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	41 J	44 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.07 U	< 0.07 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.5	0.6		
Barium, Dissolved	7440-39-3	ug/L	33000	--	75	69.8		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.02 U	< 0.02 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	0.03 J	0.02 J		
Calcium, Dissolved	7440-70-2	ug/L		--	59100	62000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	3.6	3.5		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.1	0.2		
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.4	1.4		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 3 U	< 3 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.06 J	0.05 J		
Magnesium, Dissolved	7439-95-4	ug/L		--	9160	9580		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	29	36		
Mercury, Dissolved	7439-97-6	ug/L		--	0.07 J	0.03 J		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	2.2	2.1		
Potassium, Dissolved	7440-09-7	ug/L		--	2330	2540		
Selenium, Dissolved	7782-49-2	ug/L		--	0.6 J	0.7 J		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.03 U	< 0.03 U		
Sodium, Dissolved	7440-23-5	ug/L		--	16000	19800		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	0.1	0.1		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	1.2	1.4		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	26 J	27 J		

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Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	982 R	2530 R	440
Antimony, Total	7440-36-0	ug/L		--	0.7 R	0.3 R	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	0.9 R	1.1 R	1.3
Barium, Total	7440-39-3	ug/L		--	97.7 R	98.7 R	70
Beryllium, Total	7440-41-7	ug/L		--	0.09 R	0.2 R	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	0.2 R	0.2 R	0.19
Calcium, Total	7440-70-2	ug/L		--	59900 R	63100 R	64000
Chromium, Total	7440-47-3	ug/L		--	0.4 R	1.1 R	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	0.7 R	1.1 R	0.42
Copper, Total	7440-50-8	ug/L		--	4.4 R	5.5 R	9.2
Iron, Total	7439-89-6	ug/L		--	977 R	2060 R	1800 J
Lead, Total	7439-92-1	ug/L		--	5 R	6 R	14 J
Magnesium, Total	7439-95-4	ug/L		--	9390 R	9880 R	8600
Manganese, Total	7439-96-5	ug/L		--	120 R	158 R	120 J
Mercury, Total	7439-97-6	ug/L		--	< 0.02 UR	< 0.02 UR	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	1.2 R	1.1 R	0.86 J
Nickel, Total	7440-02-0	ug/L		--	2.9 R	3.8 R	1
Potassium, Total	7440-09-7	ug/L		--	2680 R	3010 R	2300
Selenium, Total	7782-49-2	ug/L		--	0.4 R	0.4 R	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	< 0.03 UR	< 0.03 UR	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	15900 R	19800 R	14000
Thallium, Total	7440-28-0	ug/L		--	0.1 R	0.1 R	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	1.7 R	3.6 R	1.6
Zinc, Total	7440-66-6	ug/L		--	59 R	62 R	63
General							
Alkalinity	STL00171	mg/L		--			91
Chloride	16887-00-6	mg/L		--			11
Fluoride	16984-48-8	mg/L		--			0.36
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--			8.09 J
Sulfate	14808-79-8	mg/L		--			96

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Total Dissolved Solids	STL00242	mg/L		--				260
Total Hardness	STL00009	mg/L		--				190
Total Suspended Solids	STL00161	mg/L		--				1100

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL) to MDL

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Analyte	CAS.NO	Units	Location	ADW-010	ADW-010	ADW-021		
			Sample ID	ADW-010-150810-11	ADW-010-150811-11	ADW-021-150809-11		
			Date	8/10/2015	8/11/2015	8/9/2015		
			Sample Time	8:50	9:00	10:10		
			Latitude	36.83746	36.83746	36.87280		
			Longitude	-107.99168	-107.99168	-107.96084		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	49 J	51 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U		
Barium, Dissolved	7440-39-3	ug/L	33000	--	57	62		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	59000	60000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0.12 U	0.13 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.3	3		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	20 J		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.15 J	0.61		
Magnesium, Dissolved	7439-95-4	ug/L		--	8300	8700		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	16	19		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	0.97 J	1.9 J		
Potassium, Dissolved	7440-09-7	ug/L		--	2100	2300		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	14000	15000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	3.2 J	5.4 J		
						9.1 J		

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Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	400	210	400
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	0.69 J	0.7 J	1.3
Barium, Total	7440-39-3	ug/L		--	64	65	70
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	< 0.043 U	0.077 J	0.14
Calcium, Total	7440-70-2	ug/L		--	60000	60000	65000
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	0.28 J	0.23 J	0.39 J
Copper, Total	7440-50-8	ug/L		--	5.3	4.3	8.6
Iron, Total	7439-89-6	ug/L		--	720 J	410	1600 J
Lead, Total	7439-92-1	ug/L		--	9.3 J	5.2	14 J
Magnesium, Total	7439-95-4	ug/L		--	8500	8600	8700
Manganese, Total	7439-96-5	ug/L		--	70 J	59	110 J
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	1.2	1.1	0.91 J
Nickel, Total	7440-02-0	ug/L		--	1.2	0.93 J	1 J
Potassium, Total	7440-09-7	ug/L		--	2100	2300	2200
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	14000	15000	13000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	0.91 J	0.56 J	1.4
Zinc, Total	7440-66-6	ug/L		--	30	22	60
General							
Alkalinity	STL00171	mg/L		--	83	83	85
Chloride	16887-00-6	mg/L		--	11	12	11
Fluoride	16984-48-8	mg/L		--	0.34	0.33	0.35
Nitrate as N	14797-55-8	mg/L		--	< 0.023 U	< 0.023 UJ	
pH	STL00204	SU		--	8.15 J	8.22 J	7.67 J
Sulfate	14808-79-8	mg/L		--	92	93	91

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Total Dissolved Solids	STL00242	mg/L		--	260	240	160
Total Hardness	STL00009	mg/L		--	180	190	200
Total Suspended Solids	STL00161	mg/L		--	30	58	880

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	ADW-021	ADW-021	ADW-021		
			Sample ID	ADW-021-150810-11	ADW-021-150810-12	ADW-021-150811-11		
			Date	8/10/2015	8/10/2015	8/11/2015		
			Sample Time	10:05	10:05	10:15		
			Latitude	36.87280	36.87280	36.87280		
			Longitude	-107.96084	-107.96084	-107.96084		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	45 J	57 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U		
Barium, Dissolved	7440-39-3	ug/L	33000	--	57	60		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	60000	60000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	1.3 J		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.13 J	0.13 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	3.4	2.2		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	34 J		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.12 J	0.46		
Magnesium, Dissolved	7439-95-4	ug/L		--	8500	8500		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	13	15		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.1	1.3 J		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	2.9 J	1.2 J		
Potassium, Dissolved	7440-09-7	ug/L		--	2100	2000		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	13000	13000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	3.3 J	6.7 J		

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Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	370	300	190 J
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	0.81 J	< 0.37 U	0.58 J
Barium, Total	7440-39-3	ug/L		--	65	62	63
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	0.078 J	0.1	0.099 J
Calcium, Total	7440-70-2	ug/L		--	61000	60000	59000
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	0.26 J	0.23 J	0.22 J
Copper, Total	7440-50-8	ug/L		--	5.3	4.8	4.3
Iron, Total	7439-89-6	ug/L		--	760 J	610 J	400
Lead, Total	7439-92-1	ug/L		--	9.8 J	8.3 J	5.1
Magnesium, Total	7439-95-4	ug/L		--	8700	8500	8500
Manganese, Total	7439-96-5	ug/L		--	63 J	52 J	53
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	1.1	1.1 J	0.98 J
Nickel, Total	7440-02-0	ug/L		--	1 J	0.93 J	1.1
Potassium, Total	7440-09-7	ug/L		--	2100	2100	2200
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	13000	13000	13000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	0.9 J	0.76 J	0.45 J
Zinc, Total	7440-66-6	ug/L		--	29	26	23
General							
Alkalinity	STL00171	mg/L		--	90	89	99
Chloride	16887-00-6	mg/L		--	11	11	12
Fluoride	16984-48-8	mg/L		--	0.34	0.34	0.33
Nitrate as N	14797-55-8	mg/L		--	0.042 J	0.05	0.042 J
pH	STL00204	SU		--	8.15 J	8.11 J	8.23 J
Sulfate	14808-79-8	mg/L		--	87	88	89

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	260	240	250
Total Hardness	STL00009	mg/L		--	190	180	180
Total Suspended Solids	STL00161	mg/L		--	25	28	30

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	ADW-022	ADW-022	ADW-022		
			Sample ID	ADW-022-150809-11	ADW-022-150810-11	ADW-022-150811-11		
			Date	8/9/2015	8/10/2015	8/11/2015		
			Sample Time	12:10	11:55	12:35		
			Latitude	36.92056	36.92056	36.92056		
			Longitude	-107.90991	-107.90991	-107.90991		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	37 J	39 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U		
Barium, Dissolved	7440-39-3	ug/L	33000	--	61	62		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	62000	63000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0.12 U	0.12 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	2	3.3		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.33	0.15 J		
Magnesium, Dissolved	7439-95-4	ug/L		--	8300	8600		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	14	14		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	0.98 J	1.1		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.2	1.4 J		
Potassium, Dissolved	7440-09-7	ug/L		--	2100	2100		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	12000	13000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	5.9 J	2.9 J		
						75 J		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	780	310	620
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	1.7	0.42 J	0.83 J
Barium, Total	7440-39-3	ug/L		--	71	65	80
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	0.18	0.059 J	0.17
Calcium, Total	7440-70-2	ug/L		--	62000	62000	67000
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	0.44	0.24 J	0.47
Copper, Total	7440-50-8	ug/L		--	10	4.8	5.8
Iron, Total	7439-89-6	ug/L		--	2400 J	640 J	890
Lead, Total	7439-92-1	ug/L		--	34 J	8.5 J	12
Magnesium, Total	7439-95-4	ug/L		--	8200	8500	9100
Manganese, Total	7439-96-5	ug/L		--	98 J	53 J	87
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	1.2	1	1.1
Nickel, Total	7440-02-0	ug/L		--	1.1	0.92 J	1.3
Potassium, Total	7440-09-7	ug/L		--	2200	2100	2400
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	0.21 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	11000	12000	13000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	1.9	0.65 J	1.2
Zinc, Total	7440-66-6	ug/L		--	58	27	38 J
General							
Alkalinity	STL00171	mg/L		--	88	93	96
Chloride	16887-00-6	mg/L		--	10	11	11
Fluoride	16984-48-8	mg/L		--	0.34	0.33	0.31
Nitrate as N	14797-55-8	mg/L		--		< 0.023 U	< 0.023 U
pH	STL00204	SU		--	8.16 J	8.28 J	8.38 J
Sulfate	14808-79-8	mg/L		--	87	86	88

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	250	260	270
Total Hardness	STL00009	mg/L		--	190	190	200
Total Suspended Solids	STL00161	mg/L		--	610	19	40

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	ADWS-ARP	ADWS-IT1	ADWS-IT1		
			Sample ID	ADWS-ARP-150808-11	ADWS-IT1-150807-21	ADWS-IT1-150807-22		
			Date	8/8/2015	8/7/2015	8/7/2015		
			Sample Time	8:20	12:02	12:02		
			Latitude	36.83855	36.87284	36.87284		
			Longitude	-107.9921	-107.9607	-107.9607		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	32 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U	< 1 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.58 J	0.52 J		
Barium, Dissolved	7440-39-3	ug/L	33000	--	49	66		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U	< 0.4 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U	< 0.1 U		
Calcium, Dissolved	7440-70-2	ug/L		--	61000	58000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 2 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0 U	0.12 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.3	1		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 50 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.17 J	< 0.3 U		
Magnesium, Dissolved	7439-95-4	ug/L		--	8100	8500		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	2.9	7.1		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U	< 0.2 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.5	1		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.2	1.4		
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2200		
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U	< 2 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U	< 1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	14000	14000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0 U	< 0.2 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0 U	0.32 J		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U	< 20 U		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	4200 J-	600	660
Antimony, Total	7440-36-0	ug/L		--	1.5	< 1 U	< 1 U
Arsenic, Total	7440-38-2	ug/L		--	11	0.61 J	0.84 J
Barium, Total	7440-39-3	ug/L		--	97 J-	71	72
Beryllium, Total	7440-41-7	ug/L		--	0.29 J	< 0.4 U	< 0.4 U
Cadmium, Total	7440-43-9	ug/L		--	0.55	0.099 J	0.11
Calcium, Total	7440-70-2	ug/L		--	69000	58000	58000
Chromium, Total	7440-47-3	ug/L		--	1.7 J	< 2 U	< 2 U
Cobalt, Total	7440-48-4	ug/L		--	1.3	0.32 J	0.35 J
Copper, Total	7440-50-8	ug/L		--	49	2.4	2.7
Iron, Total	7439-89-6	ug/L		--	15000	480	530
Lead, Total	7439-92-1	ug/L		--	230	2	2.2
Magnesium, Total	7439-95-4	ug/L		--	9400	8500	8500
Manganese, Total	7439-96-5	ug/L		--	260	60	65
Mercury, Total	7439-97-6	ug/L		--	< 0 U	< 0.2 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L		--	4	1.1	1
Nickel, Total	7440-02-0	ug/L		--	2.1	1.6	1.8
Potassium, Total	7440-09-7	ug/L		--	3700	2300	2300
Selenium, Total	7782-49-2	ug/L		--	0.58 J	< 2 U	< 2 U
Silver, Total	7440-22-4	ug/L		--	1.6	< 1 U	< 1 U
Sodium, Total	7440-23-5	ug/L		--	15000	14000	14000
Thallium, Total	7440-28-0	ug/L		--	0.12 J	0.15 J	< 0.2 U
Vanadium, Total	7440-62-2	ug/L		--	10	0.8 J	0.94 J
Zinc, Total	7440-66-6	ug/L		--	180	20	21
General							
Alkalinity	STL00171	mg/L		--	87	92	93
Chloride	16887-00-6	mg/L		--			
Fluoride	16984-48-8	mg/L		--			
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--	8.04 J	8.17 J	8.26 J
Sulfate	14808-79-8	mg/L		--			

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	290		
Total Hardness	STL00009	mg/L		--	210	180	180
Total Suspended Solids	STL00161	mg/L		--	140	23	24

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	ADWS-IT1	ADWS-IT2	ADWS-IT2		
			Sample ID	ADWS-IT1-150808-11	ADWS-IT2-150807-21	ADWS-IT2-150808-11		
			Date	8/8/2015	8/7/2015	8/8/2015		
			Sample Time	9:55	11:32	13:40		
			Latitude	36.87284	36.93330	36.93330		
			Longitude	-107.9607	-107.909	-107.909		
Recreational								
IRSL								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	30 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U	< 1 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0 U	0.54 J		
Barium, Dissolved	7440-39-3	ug/L	33000	--	50	67		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U	< 0.4 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U	< 0.1 U		
Calcium, Dissolved	7440-70-2	ug/L		--	60000	59000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 2 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0 U	0.13 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.4	1.1		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 50 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.15 J	0.061 J		
Magnesium, Dissolved	7439-95-4	ug/L		--	8100	8300		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	3	7.1		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U	< 0.2 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.3	1		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.2	1.4		
Potassium, Dissolved	7440-09-7	ug/L		--	2100	2200		
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U	< 2 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U	< 1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	13000	13000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	0.15 J	0.11 J		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0 U	< 1 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U	< 20 U		
						< 3 U		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	2800 J-	540	1900 J-
Antimony, Total	7440-36-0	ug/L		--	1.1	< 1 U	0.73 J
Arsenic, Total	7440-38-2	ug/L		--	7.6	0.63 J	4.4
Barium, Total	7440-39-3	ug/L		--	84 J-	71	75 J-
Beryllium, Total	7440-41-7	ug/L		--	0.2 J	< 0.4 U	< 0 U
Cadmium, Total	7440-43-9	ug/L		--	0.4	0.11	0.3
Calcium, Total	7440-70-2	ug/L		--	67000	58000	61000
Chromium, Total	7440-47-3	ug/L		--	1.1 J	< 2 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	0.95	0.3 J	0.68
Copper, Total	7440-50-8	ug/L		--	34	2.3	23
Iron, Total	7439-89-6	ug/L		--	10000	420	6000
Lead, Total	7439-92-1	ug/L		--	150	1.7	81
Magnesium, Total	7439-95-4	ug/L		--	9100	8200	8400
Manganese, Total	7439-96-5	ug/L		--	200	53	150
Mercury, Total	7439-97-6	ug/L		--	< 0 U	< 0.2 U	< 0 U
Molybdenum, Total	7439-98-7	ug/L		--	3	1	2
Nickel, Total	7440-02-0	ug/L		--	1.8	1.6	1.4
Potassium, Total	7440-09-7	ug/L		--	3200	2300	2900
Selenium, Total	7782-49-2	ug/L		--	< 1 U	< 2 U	< 1 U
Silver, Total	7440-22-4	ug/L		--	1	< 1 U	0.55 J
Sodium, Total	7440-23-5	ug/L		--	14000	13000	13000
Thallium, Total	7440-28-0	ug/L		--	< 0 U	< 0.2 U	< 0 U
Vanadium, Total	7440-62-2	ug/L		--	6.9	0.83 J	4.3
Zinc, Total	7440-66-6	ug/L		--	140	19 J	110
General							
Alkalinity	STL00171	mg/L		--	94	93	91
Chloride	16887-00-6	mg/L		--			
Fluoride	16984-48-8	mg/L		--			
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--	8.06 J	8.2 J	8.13 J
Sulfate	14808-79-8	mg/L		--			

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	260		260
Total Hardness	STL00009	mg/L		--	200	180	190
Total Suspended Solids	STL00161	mg/L		--	93	21	67

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	FW-012	FW-012	FW-012	FW-040		
			Sample ID	FW-012-150809-11	FW-012-150810-11	FW-012-150811-11	FW-040-150809-11		
			Date	8/9/2015	8/10/2015	8/11/2015	8/9/2015		
			Sample Time	13:10	10:40	9:20	10:40		
			Latitude	36.78364	36.78364	36.78364	36.71966		
			Longitude	-108.10211	-108.10211	-108.10211	-108.20713		
Recreational									
1 RSL									
Metals, Dissolved									
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	46 J	36 J	34 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U	< 0.37 U		
Barium, Dissolved	7440-39-3	ug/L	33000	--	62	58	64		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	0.043 J	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	68000	63000	66000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0.12 U	< 0.12 U	0.12 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.1	2.4	2.6		
Iron, Dissolved	7439-89-6	ug/L	120000	--	34 J	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.84	0.073 J	0.13 J		
Magnesium, Dissolved	7439-95-4	ug/L		--	8900	8400	8800		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	13	12	14		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2	1.1		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	0.87 J	0.8 J	1		
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2000	2200		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	16000	15000	16000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U	< 0.3 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	15 J	< 2.8 U	5.2 J		
							86 J		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total								
Aluminum, Total	7429-90-5	ug/L		--	1300	420	220	510
Antimony, Total	7440-36-0	ug/L		--	0.45 J	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	2.2	0.84 J	< 0.37 U	1.6
Barium, Total	7440-39-3	ug/L		--	80	66	68	80
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	0.11	0.068 J	0.086 J	0.19
Calcium, Total	7440-70-2	ug/L		--	68000	64000	65000	69000
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	0.62	0.31 J	0.25 J	0.58
Copper, Total	7440-50-8	ug/L		--	12	5.4	3.9	10
Iron, Total	7439-89-6	ug/L		--	3200 J	790 J	390	1900 J
Lead, Total	7439-92-1	ug/L		--	41 J	9.7 J	5.1	14 J
Magnesium, Total	7439-95-4	ug/L		--	9100	8600	8700	8800
Manganese, Total	7439-96-5	ug/L		--	120 J	75 J	57	160 J
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	1.6	1.1	1.1	0.93 J
Nickel, Total	7440-02-0	ug/L		--	1.4	1.3	0.93 J	1.2 J
Potassium, Total	7440-09-7	ug/L		--	2500	2100	2200	2200
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	0.27 J	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	16000	15000	16000	16000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	2.6	1	0.44 J	1.8
Zinc, Total	7440-66-6	ug/L		--	63	30	20	71 J
General								
Alkalinity	STL00171	mg/L		--	94	87	93	110
Chloride	16887-00-6	mg/L		--	12	11	12	12
Fluoride	16984-48-8	mg/L		--	0.36	0.35	0.33	0.36
Nitrate as N	14797-55-8	mg/L		--		< 0.023 U	< 0.023 UJ	
pH	STL00204	SU		--	8.26 J	8.16 J	8.19 J	8.15 J
Sulfate	14808-79-8	mg/L		--	100	100	100	100

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	290	270	270	280
Total Hardness	STL00009	mg/L		--	210	200	200	210
Total Suspended Solids	STL00161	mg/L		--	1100	37	24	1600

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	FW-040	FW-040	FWS-ARP2		
			Sample ID	FW-040-150810-11	FW-040-150811-11	FWS-ARP2-150807-21		
			Date	8/10/2015	8/11/2015	8/7/2015		
			Sample Time	12:20	13:05	13:48		
			Latitude	36.71966	36.71966	36.78357		
			Longitude	-108.20713	-108.20713	-108.10213		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	79 J	35 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	0.43 J		
Barium, Dissolved	7440-39-3	ug/L	33000	--	60	65		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	64000	67000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.13 J	0.12 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.6	2.8		
Iron, Dissolved	7439-89-6	ug/L	120000	--	91	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	1.5	0.22 J		
Magnesium, Dissolved	7439-95-4	ug/L		--	8400	8900		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	13	8.2		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2 J		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	0.96 J	1.2		
Potassium, Dissolved	7440-09-7	ug/L		--	2000	2200		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	15000	17000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	4.8 J	< 2.8 U		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	480	260	1400
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 1 U
Arsenic, Total	7440-38-2	ug/L		--	< 0.37 U	0.7 J	0.81 J
Barium, Total	7440-39-3	ug/L		--	70	70	79
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.4 U
Cadmium, Total	7440-43-9	ug/L		--	0.066 J	0.13	0.092 J
Calcium, Total	7440-70-2	ug/L		--	67000	69000	67000
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 2 U
Cobalt, Total	7440-48-4	ug/L		--	0.34 J	0.28 J	0.52
Copper, Total	7440-50-8	ug/L		--	5.9	9.5	3.1
Iron, Total	7439-89-6	ug/L		--	910 J	400	1000
Lead, Total	7439-92-1	ug/L		--	11 J	5.7	2.6
Magnesium, Total	7439-95-4	ug/L		--	8800	9100	9600
Manganese, Total	7439-96-5	ug/L		--	79 J	64	91
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L		--	1.2	1 J	1.2
Nickel, Total	7440-02-0	ug/L		--	1.1	1.3	2.1
Potassium, Total	7440-09-7	ug/L		--	2200	2300	2600
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 2 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 1 U
Sodium, Total	7440-23-5	ug/L		--	16000	17000	22000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.2 U
Vanadium, Total	7440-62-2	ug/L		--	1	0.51 J	1.9
Zinc, Total	7440-66-6	ug/L		--	32	37	20
General							
Alkalinity	STL00171	mg/L		--	90	94	91
Chloride	16887-00-6	mg/L		--	11	12	
Fluoride	16984-48-8	mg/L		--	0.35	0.33	
Nitrate as N	14797-55-8	mg/L		--		< 0.023 U	
pH	STL00204	SU		--	8.22 J	8.26 J	8.31 J
Sulfate	14808-79-8	mg/L		--	110	100	

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	290	280	
Total Hardness	STL00009	mg/L		--	200	210	210
Total Suspended Solids	STL00161	mg/L		--	42	42	43

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	FWS-ARP2	FWS-FDPS	LVW-020		
			Sample ID	FWS-ARP2-150808-11	FWS-FDPS-150808-11	LVW-020-150809-11		
			Date	8/8/2015	8/8/2015	8/9/2015		
			Sample Time	11:50	16:15	9:35		
			Latitude	36.78357	36.71455	36.73056		
			Longitude	-108.10213	-108.21644	-108.25105		
Recreational RSL								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	< 24 U		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U	< 0 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.38 J	0.76 J		
Barium, Dissolved	7440-39-3	ug/L	33000	--	56	60		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U	< 0 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U	< 0 U		
Calcium, Dissolved	7440-70-2	ug/L		--	66000	66000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.12 J	0.14 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.4	1.6		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.14 J	0.2 J		
Magnesium, Dissolved	7439-95-4	ug/L		--	8300	8400		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	1.7 J	1.6 J		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U	< 0 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.7	1.7		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.4	1.8		
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2200		
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U	< 1 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U	< 0 U		
Sodium, Dissolved	7440-23-5	ug/L		--	16000	16000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0 U	< 0 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	0.37 J	0.36 J		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U	66 J		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	5300 J-	5000 J-	3200
Antimony, Total	7440-36-0	ug/L		--	1.6	1.4	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	11	10	2.4
Barium, Total	7440-39-3	ug/L		--	100 J-	110 J-	170
Beryllium, Total	7440-41-7	ug/L		--	0.31 J	0.3 J	0.65
Cadmium, Total	7440-43-9	ug/L		--	0.5	0.45	0.15
Calcium, Total	7440-70-2	ug/L		--	69000	70000	63000
Chromium, Total	7440-47-3	ug/L		--	1.8 J	1.8 J	1.3 J
Cobalt, Total	7440-48-4	ug/L		--	1.2	1.3	3.2
Copper, Total	7440-50-8	ug/L		--	47	43	12
Iron, Total	7439-89-6	ug/L		--	16000	14000	2400 J
Lead, Total	7439-92-1	ug/L		--	220	200	11 J
Magnesium, Total	7439-95-4	ug/L		--	9400	9600	8000
Manganese, Total	7439-96-5	ug/L		--	220	230	340 J
Mercury, Total	7439-97-6	ug/L		--	< 0 U	< 0 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	4.1	3.7	0.7 J
Nickel, Total	7440-02-0	ug/L		--	2.1	2.3	3.4
Potassium, Total	7440-09-7	ug/L		--	4000	3800	3100
Selenium, Total	7782-49-2	ug/L		--	1 J	0.83 J	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	1.6	1.4	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	17000	17000	19000
Thallium, Total	7440-28-0	ug/L		--	0.12 J	0.11 J	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	11	10	6.8
Zinc, Total	7440-66-6	ug/L		--	170	160	45 J
General							
Alkalinity	STL00171	mg/L		--	88	90	96
Chloride	16887-00-6	mg/L		--			7.8
Fluoride	16984-48-8	mg/L		--			0.28
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--	8.1 J	8.1 J	8.08 J
Sulfate	14808-79-8	mg/L		--			78

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	290	290	200
Total Hardness	STL00009	mg/L		--	210	210	190
Total Suspended Solids	STL00161	mg/L		--	170	150	2800

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	LVW-020	LVW-020	LVW-030		
			Sample ID	LVW-020-150810-11	LVW-020-150811-11	LVW-030-150809-11		
			Date	8/10/2015	8/11/2015	8/9/2015		
			Sample Time	13:10	11:00	8:45		
			Latitude	36.73056	36.73056	36.72181		
			Longitude	-108.25105	-108.25105	-108.32593		
Recreational RSL								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	< 24 U		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.48 J	0.91 J		
Barium, Dissolved	7440-39-3	ug/L	33000	--	68	76		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	50000	59000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.12 J	0.13 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.4	3.1		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.11 J	< 0.06 U		
Magnesium, Dissolved	7439-95-4	ug/L		--	6700	7900		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	6.7	3.2		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.3	1.3 J		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.5	1.3		
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2500		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	18000	21000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	0.48 J	0.73 J		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	2.8 J	30		
						48		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	3500	790	4300
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	1.3	1.1	2.6
Barium, Total	7440-39-3	ug/L		--	120	110	200
Beryllium, Total	7440-41-7	ug/L		--	0.29 J	0.17 J	0.94
Cadmium, Total	7440-43-9	ug/L		--	0.057 J	< 0.043 U	0.19
Calcium, Total	7440-70-2	ug/L		--	55000	60000	67000
Chromium, Total	7440-47-3	ug/L		--	2.1	< 1 U	2.2
Cobalt, Total	7440-48-4	ug/L		--	1.6	0.88	4.5
Copper, Total	7440-50-8	ug/L		--	6.2	4.8	15
Iron, Total	7439-89-6	ug/L		--	2400 J	590	3100 J
Lead, Total	7439-92-1	ug/L		--	6.5 J	3.5	13 J
Magnesium, Total	7439-95-4	ug/L		--	7600	7900	8300
Manganese, Total	7439-96-5	ug/L		--	140 J	100	470 J
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	1.1	0.96 J	0.58 J
Nickel, Total	7440-02-0	ug/L		--	2.3	1.6	4.4
Potassium, Total	7440-09-7	ug/L		--	3000	2500	3400
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	18000	20000	20000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	5.3	2.3	9.6
Zinc, Total	7440-66-6	ug/L		--	20	110	49
General							
Alkalinity	STL00171	mg/L		--	89	95	90
Chloride	16887-00-6	mg/L		--	7.3	9.4	7.5
Fluoride	16984-48-8	mg/L		--	0.26	0.27	0.28
Nitrate as N	14797-55-8	mg/L		--	< 0.023 UJ		
pH	STL00204	SU		--	8.08 J	8.22 J	8.08 J
Sulfate	14808-79-8	mg/L		--	78	89	78

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	240	270	130
Total Hardness	STL00009	mg/L		--	150	180	200
Total Suspended Solids	STL00161	mg/L		--	480	190	1200

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	LVW-030	LVW-030	LVW-FD		
			Sample ID	LVW-030-150810-11	LVW-030-150811-11	LVW-FD-150807-21		
			Date	8/10/2015	8/11/2015	8/7/2015		
			Sample Time	13:55	11:45	15:34		
			Latitude	36.72181	36.72181	36.73156		
			Longitude	-108.32593	-108.32593	-108.31426		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	< 200 U		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 1 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.53 J	0.46 J		
Barium, Dissolved	7440-39-3	ug/L	33000	--	70	78		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	51000	59000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.12 J	0.13 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.3	2.1		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.069 J	< 0.06 U		
Magnesium, Dissolved	7439-95-4	ug/L		--	6800	7800		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	6.7	4.5		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.3 J	1.3 J		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.3	1.2		
Potassium, Dissolved	7440-09-7	ug/L		--	2300	2400		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	18000	21000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	0.91 J	0.71 J		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 2.8 U	35		
						< 20 U		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	4700	1200	2300
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 1 U
Arsenic, Total	7440-38-2	ug/L		--	1.7	1.1	1.4
Barium, Total	7440-39-3	ug/L		--	140	110	120
Beryllium, Total	7440-41-7	ug/L		--	0.36 J	0.21 J	< 0.4 U
Cadmium, Total	7440-43-9	ug/L		--	0.049 J	< 0.043 U	0.064 J
Calcium, Total	7440-70-2	ug/L		--	55000	62000	75000
Chromium, Total	7440-47-3	ug/L		--	2.6	< 1 U	1.2 J
Cobalt, Total	7440-48-4	ug/L		--	2.1	1.1	0.56
Copper, Total	7440-50-8	ug/L		--	7.3	4.9	3.1
Iron, Total	7439-89-6	ug/L		--	3100 J	740	1400
Lead, Total	7439-92-1	ug/L		--	7.9 J	3.5	2.9
Magnesium, Total	7439-95-4	ug/L		--	7600	8100	10000
Manganese, Total	7439-96-5	ug/L		--	190 J	130	83
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L		--	1.1 J	0.91 J	1.5
Nickel, Total	7440-02-0	ug/L		--	2.8	1.8	2.4
Potassium, Total	7440-09-7	ug/L		--	3200	2600	3200
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 2 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 1 U
Sodium, Total	7440-23-5	ug/L		--	18000	20000	29000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.2 U
Vanadium, Total	7440-62-2	ug/L		--	7.2	2.8	3.1
Zinc, Total	7440-66-6	ug/L		--	25	17 J	13 J
General							
Alkalinity	STL00171	mg/L		--	89	95	120
Chloride	16887-00-6	mg/L		--	6.8	9.1	
Fluoride	16984-48-8	mg/L		--	0.26	0.27	
Nitrate as N	14797-55-8	mg/L		--		< 0.023 UJ	
pH	STL00204	SU		--	8.08 J	8.2 J	8.11 J
Sulfate	14808-79-8	mg/L		--	78	89	

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	240	260	
Total Hardness	STL00009	mg/L		--	170	190	230
Total Suspended Solids	STL00161	mg/L		--	440	370	36

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	LVW-FD	LVW-WPI	MW-020		
			Sample ID	LVW-FD-150808-11	LVW-WPI-150808-11	MW-020-150809-11		
			Date	8/8/2015	8/8/2015	8/9/2015		
			Sample Time	15:20	14:20	14:30		
			Latitude	36.73156	36.73139	36.77191		
			Longitude	-108.31426	-108.249	-108.11860		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	390	270		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U	< 0 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.76 J	0.76 J		
Barium, Dissolved	7440-39-3	ug/L	33000	--	81	70		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U	< 0 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U	< 0 U		
Calcium, Dissolved	7440-70-2	ug/L		--	52000	51000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.23 J	0.18 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.7	1.5		
Iron, Dissolved	7439-89-6	ug/L	120000	--	220	150		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.5	0.36		
Magnesium, Dissolved	7439-95-4	ug/L		--	6600	6500		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	20	3.5		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U	< 0 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.8	1.8		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.8	1.5		
Potassium, Dissolved	7440-09-7	ug/L		--	2500	2500		
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U	< 1 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U	< 0 U		
Sodium, Dissolved	7440-23-5	ug/L		--	20000	19000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0 U	0.15 J		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	0.73 J	0.68 J		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U	< 3 U		
						25		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	22000 J-	29000 J-	500
Antimony, Total	7440-36-0	ug/L		--	0.64 J	1.2	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	14	15	1.6
Barium, Total	7440-39-3	ug/L		--	370 J-	400 J-	76
Beryllium, Total	7440-41-7	ug/L		--	1.2	1.5	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	0.34	0.45	0.12
Calcium, Total	7440-70-2	ug/L		--	64000	67000	68000
Chromium, Total	7440-47-3	ug/L		--	12	17	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	8.3	10	0.47
Copper, Total	7440-50-8	ug/L		--	55	58	9.5
Iron, Total	7439-89-6	ug/L		--	30000	36000	1800 J
Lead, Total	7439-92-1	ug/L		--	240	240	15 J
Magnesium, Total	7439-95-4	ug/L		--	11000	12000	8900
Manganese, Total	7439-96-5	ug/L		--	530	620	130 J
Mercury, Total	7439-97-6	ug/L		--	0.089 J	< 0 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	3.4	4.4	0.98 J
Nickel, Total	7440-02-0	ug/L		--	12	14	1.3
Potassium, Total	7440-09-7	ug/L		--	7000	8400	2300
Selenium, Total	7782-49-2	ug/L		--	1.4 J	1 J	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	1.6	1.5	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	22000	21000	15000
Thallium, Total	7440-28-0	ug/L		--	0.29	0.37	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	34	46	1.6
Zinc, Total	7440-66-6	ug/L		--	160	170	63
General							
Alkalinity	STL00171	mg/L		--	83	83	95
Chloride	16887-00-6	mg/L		--			12
Fluoride	16984-48-8	mg/L		--			0.36
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--	8.03 J	8.02 J	8.31 J
Sulfate	14808-79-8	mg/L		--			100

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	260	270	260
Total Hardness	STL00009	mg/L		--	210	220	210
Total Suspended Solids	STL00161	mg/L		--	910	1100	1200

Bold - Bolded results identify a detected value.

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	MW-020	MW-020	MWSS-ARI		
			Sample ID	MW-020-150810-11	MW-020-150811-11	MWSS-ARI-150808-11		
			Date	8/10/2015	8/11/2015	8/8/2015		
			Sample Time	9:20	13:55	12:50		
			Latitude	36.77191	36.77191	36.77134		
			Longitude	-108.11860	-108.11860	-108.1189		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	39 J	41 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U		
Barium, Dissolved	7440-39-3	ug/L	33000	--	60	62		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	65000	64000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.12 J	< 0.12 U		
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.2	2.7		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.31	0.21 J		
Magnesium, Dissolved	7439-95-4	ug/L		--	8500	8900		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	14	12		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.4 J		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.3 J	1.3 J		
Potassium, Dissolved	7440-09-7	ug/L		--	2000	2300		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	15000	17000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	3.1 J	< 2.8 U		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	530	230	4600 J-
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	1.5
Arsenic, Total	7440-38-2	ug/L		--	0.66 J	0.62 J	11
Barium, Total	7440-39-3	ug/L		--	69	66	110 J-
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	0.29 J
Cadmium, Total	7440-43-9	ug/L		--	0.12	0.078 J	0.51
Calcium, Total	7440-70-2	ug/L		--	66000	63000	68000
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	1.8 J
Cobalt, Total	7440-48-4	ug/L		--	0.36 J	0.24 J	1.3
Copper, Total	7440-50-8	ug/L		--	6.1	4.2	46
Iron, Total	7439-89-6	ug/L		--	1000 J	370	14000
Lead, Total	7439-92-1	ug/L		--	12 J	5.2	210
Magnesium, Total	7439-95-4	ug/L		--	8700	8800	9200
Manganese, Total	7439-96-5	ug/L		--	86 J	58	230
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0 U
Molybdenum, Total	7439-98-7	ug/L		--	1.2	1 J	3.9
Nickel, Total	7440-02-0	ug/L		--	1.1 J	1 J	2.2
Potassium, Total	7440-09-7	ug/L		--	2100	2300	3600
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	0.69 J
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	1.5
Sodium, Total	7440-23-5	ug/L		--	15000	16000	16000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	0.11 J
Vanadium, Total	7440-62-2	ug/L		--	0.98 J	0.46 J	10
Zinc, Total	7440-66-6	ug/L		--	36	25	170
General							
Alkalinity	STL00171	mg/L		--	89	87	89
Chloride	16887-00-6	mg/L		--	11	12	
Fluoride	16984-48-8	mg/L		--	0.35	0.33	
Nitrate as N	14797-55-8	mg/L		--	< 0.023 U	< 0.023 U	
pH	STL00204	SU		--	8.11 J	8.37 J	8.12 J
Sulfate	14808-79-8	mg/L		--	100	100	

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	270	270	290
Total Hardness	STL00009	mg/L		--	200	190	210
Total Suspended Solids	STL00161	mg/L		--	36	36	150

Bold - Bolded results identify a detected value.

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	NSW-020	NSW-020	NSW-020		
			Sample ID	NSW-020-150809-11	NSW-020-150810-11	NSW-020-150811-11		
			Date	8/9/2015	8/10/2015	8/11/2015		
			Sample Time	11:10	11:05	11:45		
			Latitude	36.90090	36.90090	36.90090		
			Longitude	-107.91712	-107.91712	-107.91712		
Recreational								
Metals, Dissolved								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	28 J	45 J		
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U		
Barium, Dissolved	7440-39-3	ug/L	33000	--	60	60		
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U		
Calcium, Dissolved	7440-70-2	ug/L		--	63000	61000		
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0.12 U	0.3 J		
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.3	2.7		
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	--	0.38	0.32		
Magnesium, Dissolved	7439-95-4	ug/L		--	8500	8500		
Manganese, Dissolved	7439-96-5	ug/L	7800	--	10	12		
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U		
Molybdenum, Dissolved	7439-98-7	ug/L		--	0.96 J	1.1		
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.1	1.2 J		
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2100		
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U		
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U		
Sodium, Dissolved	7440-23-5	ug/L		--	12000	13000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	--	12 J	4.3 J		
						3 J		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total							
Aluminum, Total	7429-90-5	ug/L		--	860	310	180 J
Antimony, Total	7440-36-0	ug/L		--	0.41 J	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	2	< 0.37 U	0.37 J
Barium, Total	7440-39-3	ug/L		--	73	64	67
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	0.13	0.073 J	0.093 J
Calcium, Total	7440-70-2	ug/L		--	63000	60000	62000
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	0.6	0.22 J	0.2 J
Copper, Total	7440-50-8	ug/L		--	11	4.7	4
Iron, Total	7439-89-6	ug/L		--	2700 J	640 J	380
Lead, Total	7439-92-1	ug/L		--	37 J	8.6 J	5.1
Magnesium, Total	7439-95-4	ug/L		--	8400	8400	8700
Manganese, Total	7439-96-5	ug/L		--	110 J	45 J	46
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	1.3	1	1
Nickel, Total	7440-02-0	ug/L		--	1.1	0.98 J	0.98 J
Potassium, Total	7440-09-7	ug/L		--	2300	2100	2200
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	0.27 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	12000	12000	13000
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	2.2	0.74 J	0.36 J
Zinc, Total	7440-66-6	ug/L		--	63	24	21
General							
Alkalinity	STL00171	mg/L		--	91	99	92
Chloride	16887-00-6	mg/L		--	11	10	11
Fluoride	16984-48-8	mg/L		--	0.34	0.33	0.32
Nitrate as N	14797-55-8	mg/L		--		< 0.023 U	< 0.023 U
pH	STL00204	SU		--	8.14 J	8.12 J	8.31 J
Sulfate	14808-79-8	mg/L		--	88	86	88

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	260	250	250
Total Hardness	STL00009	mg/L		--	190	180	190
Total Suspended Solids	STL00161	mg/L		--	780	26	26

Bold - Bolded results identify a detected value.

Highlighted values are detections that exceed the minimum of the listed screening values

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Analyte	CAS.NO	Units	Location	NSW-ARI		
			Sample ID	NSW-ARI-150808-11		
			Date	8/8/2015		
			Sample Time	11:25		
			Latitude	36.90090		
			Longitude	-107.91712		
Recreational RSL						
Metals, Dissolved						
Aluminum, Dissolved	7429-90-5	ug/L	170000	-- < 24 U		
Antimony, Dissolved	7440-36-0	ug/L		-- < 0 U		
Arsenic, Dissolved	7440-38-2	ug/L	50	-- 0.62 J		
Barium, Dissolved	7440-39-3	ug/L	33000	-- 52		
Beryllium, Dissolved	7440-41-7	ug/L	330	-- < 0 U		
Cadmium, Dissolved	7440-43-9	ug/L	83	-- < 0 U		
Calcium, Dissolved	7440-70-2	ug/L		-- 58000		
Chromium, Dissolved	7440-47-3	ug/L	210000	-- < 1 U		
Cobalt, Dissolved	7440-48-4	ug/L	50	-- 0.12 J		
Copper, Dissolved	7440-50-8	ug/L	6700	-- 1.5		
Iron, Dissolved	7439-89-6	ug/L	120000	-- < 17 U		
Lead, Dissolved	7439-92-1	ug/L	200	-- 0.15 J		
Magnesium, Dissolved	7439-95-4	ug/L		-- 7900		
Manganese, Dissolved	7439-96-5	ug/L	7800	-- 5.4		
Mercury, Dissolved	7439-97-6	ug/L		-- < 0 U		
Molybdenum, Dissolved	7439-98-7	ug/L		-- 1.3		
Nickel, Dissolved	7440-02-0	ug/L	3300	-- 1.3		
Potassium, Dissolved	7440-09-7	ug/L		-- 2200		
Selenium, Dissolved	7782-49-2	ug/L		-- < 1 U		
Silver, Dissolved	7440-22-4	ug/L		-- < 0 U		
Sodium, Dissolved	7440-23-5	ug/L		-- 12000		
Thallium, Dissolved	7440-28-0	ug/L	1.7	-- < 0 U		
Vanadium, Dissolved	7440-62-2	ug/L	830	-- < 0 U		
Zinc, Dissolved	7440-66-6	ug/L	50000	-- < 3 U		

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Metals, Total					
Aluminum, Total	7429-90-5	ug/L		--	2200 J-
Antimony, Total	7440-36-0	ug/L		--	0.93 J
Arsenic, Total	7440-38-2	ug/L		--	6.1
Barium, Total	7440-39-3	ug/L		--	80 J-
Beryllium, Total	7440-41-7	ug/L		--	0.16 J
Cadmium, Total	7440-43-9	ug/L		--	0.38
Calcium, Total	7440-70-2	ug/L		--	63000
Chromium, Total	7440-47-3	ug/L		--	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	0.78
Copper, Total	7440-50-8	ug/L		--	29
Iron, Total	7439-89-6	ug/L		--	8300
Lead, Total	7439-92-1	ug/L		--	110
Magnesium, Total	7439-95-4	ug/L		--	8700
Manganese, Total	7439-96-5	ug/L		--	170
Mercury, Total	7439-97-6	ug/L		--	< 0 U
Molybdenum, Total	7439-98-7	ug/L		--	2.5
Nickel, Total	7440-02-0	ug/L		--	1.7
Potassium, Total	7440-09-7	ug/L		--	3000
Selenium, Total	7782-49-2	ug/L		--	0.61 J
Silver, Total	7440-22-4	ug/L		--	0.8 J
Sodium, Total	7440-23-5	ug/L		--	13000
Thallium, Total	7440-28-0	ug/L		--	< 0 U
Vanadium, Total	7440-62-2	ug/L		--	5.5
Zinc, Total	7440-66-6	ug/L		--	130
General					
Alkalinity	STL00171	mg/L		--	99
Chloride	16887-00-6	mg/L		--	
Fluoride	16984-48-8	mg/L		--	
Nitrate as N	14797-55-8	mg/L		--	
pH	STL00204	SU		--	8.12 J
Sulfate	14808-79-8	mg/L		--	

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	270
Total Hardness	STL00009	mg/L		--	190
Total Suspended Solids	STL00161	mg/L		--	71

Bold - Bolded results identify a detected value.

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